

RF and Microwave Products



Engineered RF Interconnect Systems

- Modified standard RF connectors
- Board to board RF connectors
- RF Cable Assemblies
- True 75 ohm
- Ruggedized (IP67) connectors and assemblies.



RF, Microwave, and Millimeter Wave Components and Systems.

- Amplifiers
- Couplers, dividers
- Delay Lines
- Filters
- Frequency Sources
- Multi-Function Assemblies
- Switched Filter Banks
- Switches
- Thin Film Circuits (substrates, assemblies)



Coaxial and SMT Resistive Components

- Attenuators
- Bias Tees
- Couplers
- DC Blocks
- Equalizers
- Power Dividers
- Terminations
- Test Cables



RF and Wireless Voice/Data Semiconductors

- Voice Codecs
- QAM, QPSK, GMSK Modems
- Modulators and Demodulators
- Up/down converter
- Marine AIS processor



MMICs to 6GHz

- Infrastructure LNAs
- High power LNAs
- Broadband LNAs
- High linearity gain blocks



Semiconductors – RF Control Components

- RF Switches
- Power Limiters
- Digitally Tunable Caps (DTC)
- Digital Step Attenuators (DSA)
- Prescalers



RF and Microwave Inductors

- Wideband conicals
- Air coils
- Fixed inductors (MIL-PRF-83446)
- Tunable inductors (MIL-PRF-15305)



MMICs to 100 GHz

- LNAs/HPAs/MPAs
- Switches
- Digital Attenuators
- Detectors
- IQ up/down converters
- Foundry Services

RF / Microwave Connectorized Components

Adapters	Amphenol RF API Inmet		Dividers, Power	API Technologies
Amplifiers, High Power, High Linearity, Low Phase Noise, Low Cost, AGC, Limiting	API Technologies		Filters - Cavity, Ceramic, Coaxial, Lumped Element, SAW, Suspended Substrate, Waveguide	API Technologies
Antennas, Patch and Planar	API Technologies		Gain Equalizers	API Inmet
Attenuators, fixed	API Inmet		Limiters	API Technologies
Bias Tees	API Inmet		Mixers	API Technologies
Cable Assemblies	Amphenol RF		Oscillators, PLOs, Multiplied PLOs DROs, CROs, SAW, VCOs, DCXOs, DTOs, FMOs, MROs	API Technologies
Cables, Test	Amphenol RF		Opens and Shorts	API Inmet
Comb Generators	API Technologies		Phase Shifters	API Technologies
Connectors, Coaxial	Amphenol RF		Rotary Joints	API Technologies
Couplers	API Technologies		Switches	API Technologies
DC Blocks	API Inmet		Synthesizers	API Technologies
Delay Lines	API Technologies		Terminations	Aeroflex Inmet
Detectors	API Technologies			

RF / Microwave PCB Components

Amplifiers – LNAs, MPAs, HPAs, Gain blocks	API Technologies - Hybrid CML – 900 MHz PA Guerilla RF – MMIC's to 6GHz UMS – MMIC's to 85 GHz		Inductors – Air Coils, Conicals, Tuneable, QPL	Piconics
Attenuators, Chip and Flange	Aeroflex Inmet		Limiters	API Technologies Peregrine
Attenuators, Digital, Analog	API Technologies UMS – MMIC Peregrine – Digital Step		Mixers	API Technologies UMS Peregrine
Demodulators – RF/IF	CML Microcircuits		Modulators – RF Quadrature	CML Microcircuits
Detectors	API Technologies UMS – MMIC		Multiplier - MMIC	UMS
Direct Conversion Receivers	CML Microcircuits		Oscillators, SAW VCO - MMIC	API Technologies UMS
Diodes – Multiplier, Varactor, PIN	API Technologies		Phase Shifter - MMIC	UMS Peregrine - Digital
Digital Tunable Capacitors	Peregrine		Resistors	API Inmet
Down Converter - MMIC	UMS		Switches	Peregrine – DC- 60GHz, High power, 50 and 75 ohm API Technologies Guerilla RF- to 3.8 GHz UMS – to 26 GHz
Filters – Cavity, Ceramic, Lumped Element, SAW, BAW	API Technologies		Terminations – Chip	Aeroflex Inmet
Hybrid Couplers – Wireline, Wirepac	API Technologies		Tranceivers	CML Microcircuits

RF / Microwave Subsystems and Other

Active Array Unit	API Technologies		Switched Filter Banks	API Technologies
Build To Print	API Technologies		Switchable Multi Channel Amps	API Technologies
DFD's and IFM's	API Technologies		Thin Film substrates and Assy	API Technologies
Filtered GPS LNA's	API Technologies		Thick Film Substrate and Assy	API Technologies
Frequency Multipliers	API Technologies		Up/Down Converters	API Technologies
S-Band Dual T/R Module	API Technologies		Foundry Services, GaAs, GaN	UMS